

Converting Colors

$Yxy(67.9249, 0.2928, 0.3535)$

Have a look what the booklet for
Yxy(67.9249, 0.2928, 0.3535)
contains.

Yxy(68.1476, 0.2928, 0.3541)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.1476, 0.2928, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	B1E2CD
RGB	177, 226, 205
RGB Percent	69%, 89%, 80%
CMY	0.3059, 0.1137, 0.1960
CMYK	0.22, 0.00, 0.09, 0.11
HSL	154°, 46%, 79%
HSV	154°, 22%, 89%
XYZ	56.3502, 68.1476, 67.9551
YIQ	208.9550, -22.4630, -16.9190

Conversions

Conversions Part 2

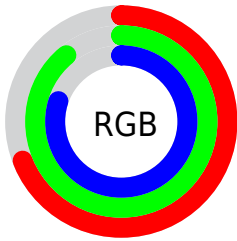
Format	Color
RYB	177, 208, 226
Decimal	11657933
CIELab	86.08, -19.96, 5.08
CIELCh	86, 20.600, 165.712
Yxy	68.1476, 0.2928, 0.3541
Android (android.graphics.Color)	4289848013 (0xFFB1E2CD)
YUV	208.9550, -1.9498, -28.0245
Hunter-Lab	82.5516, -22.6200, 8.9795

Details

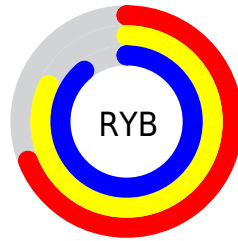
The Yxy color **68.1476, 0.2928, 0.3541** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6926, 0.3382, 0.3052**, and the grayscale version is **63.7567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **35.5711, 0.2874, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **65.2594, 0.2844, 0.3676**, and if you desaturate by 10%, it is **71.5098, 0.3018, 0.3418**.

Distribution



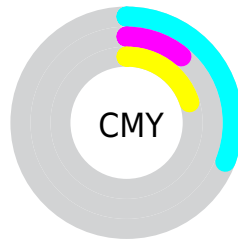
- Red (69%)
- Green (89%)
- Blue (80%)



- Red (69%)
- Yellow (82%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)




- Cyan (31%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1476, 0.2928, 0.3541 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.1476, 0.2928, 0.3541 by changing the saturation by 10% instead.

 68.1476, 0.2928,
0.3541

 68.1476, 0.2928,
0.3541

454.0188, 0.3022,
0.3421

 50.0178, 0.2906,
0.3569


 116.5633, 0.2961,
0.3499

 35.4276, 0.2878,
0.3605


147.6180, 0.2974,
0.3483

 23.9924, 0.2843,
0.3650

183.7497, 0.2985,
0.3469

 15.3280, 0.2796,
0.3712

225.3430, 0.2994,
0.3457

 9.0499, 0.2730,
0.3798

272.7821, 0.3003,
0.3446

 4.7737, 0.2632,
0.3928


326.4516, 0.3010,


 2.1151, 0.2470,


0.3437


0.4148


386.7356, 0.3016,
0.3429


 0.6731, 0.1267,
0.5595


 0.0000, 0.0000,
0.0000


 68.1476, 0.2928,
0.3541

 68.1476, 0.2928,
0.3541


 65.2594, 0.2844,
0.3676


 71.5098, 0.3018,
0.3418


 62.8147, 0.2770,
0.3823


 75.3583, 0.3111,
0.3307

 60.7922, 0.2707,
0.3979

 79.7151, 0.3206,
0.3209

 59.1657, 0.2661,
0.4143


 82.1689, 0.3213,
0.3116


 57.9058, 0.2633,
0.4311

 82.7714, 0.3151,
0.3024

 56.9788, 0.2625,
0.4480

 82.8736, 0.3140,
0.3009

 56.3444, 0.2638,
0.4645

 55.9848, 0.2661,
0.4778

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1476, 0.3177, 0.3702



68.1476, 0.2928, 0.3541



68.1476, 0.2738, 0.3308

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1476, 0.2928, 0.3541



68.1476, 0.2831, 0.2868



68.1476, 0.3629, 0.3467

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.1476, 0.2928, 0.3541



51.6926, 0.3382, 0.3052

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.1476, 0.3530, 0.3254



68.1476, 0.2928, 0.3541



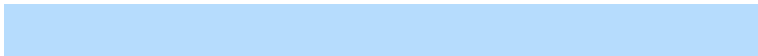
68.1476, 0.3061, 0.2918

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1476, 0.2928, 0.3541



68.1476, 0.2683, 0.2923



68.1476, 0.3319, 0.3056



68.1476, 0.3587, 0.3646

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1476, 0.2928, 0.3541



68.1476, 0.2666, 0.3151



68.1476, 0.3319, 0.3056



68.1476, 0.3611, 0.3397

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.1504, 0.2928, 0.3541



96.2878, 0.3061, 0.3365



69.6063, 0.3248, 0.3866



20.5443, 0.3055, 0.3372



0.0000, 0.0000, 0.0000



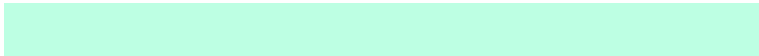
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1504, 0.2928, 0.3541



87.8251, 0.2889, 0.3600



67.4730, 0.2803, 0.3251



15.4680, 0.3039, 0.3392



31.9631, 0.2654, 0.4753



2.2333, 0.2584, 0.4504

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.6926, 0.3382, 0.3052



62.5406, 0.3450, 0.3000



52.0966, 0.3558, 0.3329



13.7975, 0.3225, 0.3190



9.7369, 0.5254, 0.2668



0.6926, 0.4862, 0.2452

Previews

White Background



This preview shows how the Yxy color 68.1476, 0.2928, 0.3541 looks on a white background.

Color Contrast Check

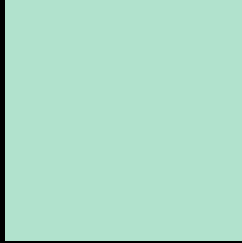
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 68.1476, 0.2928, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

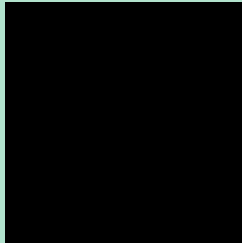
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

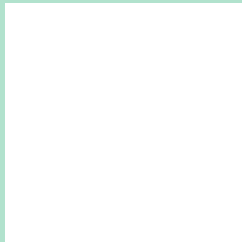
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1476, 0.2928, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 68.1476, 0.2928, 0.3541.

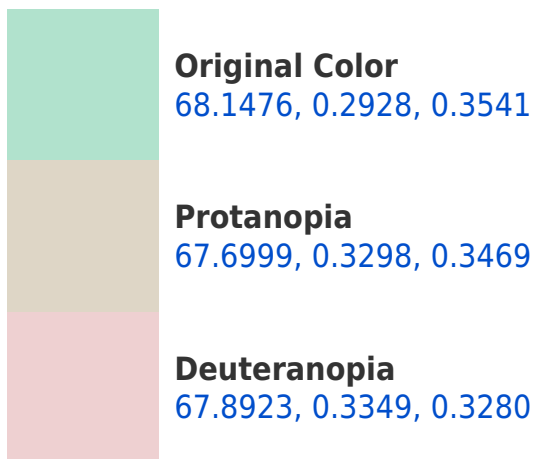


This preview shows how white text looks on a background with the Yxy color 68.1476, 0.2928, 0.3541.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

68.0122, 0.2764, 0.3084

Trichromacy



Original Color

68.1476, 0.2928, 0.3541

Protanomaly

67.4817, 0.3154, 0.3485

Deuteranomaly

67.7539, 0.3182, 0.3369

Tritanomaly

68.1452, 0.2822, 0.3243

Monochromacy



Original Color

68.1476, 0.2928, 0.3541

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.0253, 0.3044, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1476, 0.2928, 0.3541 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(177, 226, 205)` looks like.

```
.text, #text, p{  
    color:rgb(177, 226, 205)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(177, 226, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 226, 205) }
```

Border

The CSS property to change the border of an element to Yxy 68.1476, 0.2928, 0.3541 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 226, 205) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(177, 226, 205) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(177, 226, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 226, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 226, 205); box-shadow:4px 4px 4px 4px rgb(177, 226, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1476, 0.2928, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 226, 205) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(177,  
226, 205) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor